

What is claimed is

1. A composition containing tripolyphosphate and water-soluble chitosan for stimulating bone-formation and bone-consolidation.
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2. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the composition could additively contain a material for stimulating bone-formation and bone-consolidation.
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3. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 2, wherein the material for stimulating bone-formation and bone-consolidation is selected from a group consisting of β ig-h3, bone morphogenic protein, TGF- β , FGF, IGF-1 and PDGF.
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4. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the ratio of tripolyphosphate to water-soluble chitosan is 20:80 ~ 80:20 weight%.
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5. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 4, wherein the ratio of tripolyphosphate to water-soluble chitosan is 50:50 weight%.

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6. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 3, wherein the β ig-h3 is added at the concentration of 100 $\mu\text{g}/\text{ml}$ ~ 1 $\mu\text{g}/\text{ml}$.

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7. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 3, wherein the bone morphogenic protein is added at the concentration of 50 ng/ml ~ 500 ng/ml .

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8. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 6, wherein the β ig-h3 is added at the concentration of 300 $\mu\text{g}/\text{ml}$ ~ 600 $\mu\text{g}/\text{ml}$.

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9. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 7, wherein the bone morphogenic protein is added at the concentration of 100 ng/ml ~ 300 ng/ml .

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10. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 4, wherein the bone morphogenic protein is BMP-4.